

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2015  
 DateRun: 06/10/2015  
 Experimenters: Alicia Melvin  
 ClientType: Chemical Company  
 ProjectNumber: Project #1  
 Substrates: Textile  
 PartType: Coupon  
 Contaminants: Inks, Fingerprints, Food  
 Cleaning Methods: Immersion/Soak  
 Analytical Methods: Visual  
 Purpose: To evaluate Methyl 408 and Ethyl 408 on their removal effectiveness for dry cleaning applications  
 Experimental Procedure: Four soils typically found in dry cleaning were applied to three fabric types (cotton, cotton/polyester blend, nylon) and then cleaned using immersion and manual cleaning.  
 Results: Methyl 408 and Ethyl 408 are excellent at removing stains from nylon fabric. Both chemicals made the stains worse with grass-stained cotton. Methyl 408 removed most of the grass and ink stains from polyester. Overall, these chemicals are effective at nylon and polyester dry cleaning when immersed. Adding agitation and scrubbing may improve the dry-cleaning quality of these chemicals.

Cleaning Category	Dry-cleaning							
	Methyl 408				Ethyl 408			
Soil type	Ink	Food	Sebum	Grass	Ink	Food	Sebum	Grass
Substrate								
Polyester	ME	SE	VE	ME	ME	ME	ME	SE
Nylon	VE	ME	VE	ME	VE	VE	VE	ME
Cotton	SE	ME	VE	NE	ME	SE	VE	SE

NE - Not effective  
 SE - Slightly effective  
 ME - Mostly effective  
 VE - Very effective

Summary:

<b>Substrates:</b>	Textile				
<b>Contaminants:</b>	Inks, Fingerprints, Food				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Xf Technologies	Methyl 408	100	0.00	<input checked="" type="checkbox"/>	
Xf Technologies	Ethyl 408	100	0.00	<input checked="" type="checkbox"/>	

Conclusion: Overall, these chemicals are effective at nylon and polyester dry cleaning when immersed.